

45385-69

3 / 9 / 2015

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460-0001

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

March 9, 2015

SENT BY E-MAIL

Mr. Benjamin Baker
Agent for CTX Cenol Corporation
1393 East Highland Road
Twinsburg, OH 44087

Subject: Amended Reregistration Label for PERMA-TOX Insecticide
EPA Reg. No.45385-69
Decision Number: 413713

Dear Mr. Baker

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the reregistration of the referenced product in connection with the permethrin RED(s), and has concluded that your submission is acceptable.

PLEASE NOTE: This product is not being reregistered under sections 3(c)5 and 4(g) of FIFRA at this time.

A copy of your label stamped "Acceptable" is enclosed along with copies of the acute toxicity and product chemistry reviews completed for the subject product. Products shipped after 12 months from the date of this amendment or the next printing of the label whichever occurs first, must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e).

If you have any questions about this letter, please contact Linda A. DeLuise at (703) 305-5428 or via e-mail at deluise.linda@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Richard Gebken".

Richard Gebken
Product Manager 10
Invertebrate & Vertebrate Branch 2
Office of Pesticide Programs

Enclosures: Label stamped "Accepted" dated: March 9, 2015
279-3141 D413713

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RESTRICTED USE PESTICIDE

***Due To Acute Eye Irritation**

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

CHEM-tox PERMA-TOX INSECTICIDE

- AN INSECTICIDE OFFERING SPACE CONTROL OF FLYING INSECTS.
- RESIDUAL KILL OF CRAWLING INSECTS FOR UP TO 4 WEEKS.
- INDOORS AND OUTDOORS FOR LISTED INSECTS.
- FOR TREATMENT OF OUTER SPORTING CLOTHING AND BED NETS.

ACCEPTED

03/09/2015

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. **45385-69**

Active Ingredient:

Permethrin* (CAS# 52645-53-1)	13.30%
Other Ingredients**:	86.70%
Total	100.00%

*Cis/trans isomers ratio: min. 55% (+/-) cis and max. 45% (+/-) trans.

**Contains Petroleum Distillate

EPA Reg. No. 45385-69 EPA Est. No.

**KEEP OUT OF REACH OF CHILDREN
DANGER**

STOP: Read Label Before Use

See side [back] panel(s) for additional precautionary statements.

CTX-Cenol, Inc.
P.O. Box 472
Twinsburg, OH 44087

Net Contents: x pint [quart, gallon]

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PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals

DANGER: Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

All handlers must wear:

- **Protective eyewear such as goggles or face shield**
- Long-sleeved shirt and long pants
- Shoes plus socks

User Safety Requirements:

- Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.
- Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

User Safety Recommendations:

- User should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

FIRST AID

If in Eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.
If Swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Do not give any liquid to the person. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on Skin or Clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If Inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth, if possible. • Call a poison control center or doctor for further treatment advice.
<p>HOTLINE NUMBER: Have the product container or label with you when calling a poison control center or doctor or when going for treatment. You may also call 1-800-858-7378 for emergency medical treatment advice.</p>	
<p>NOTE TO PHYSICIAN: Contains petroleum distillate. Vomiting may cause aspiration pneumonia. Probable mucosal damage may contraindicate the use of gastric lavage.</p>	

Environmental Hazards

This pesticide is extremely toxic to aquatic organisms, including fish and invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment areas. Rinsing application equipment over the treated area will help avoid run-off to water bodies or drainage systems. Apply this product only as specified on this label. **BEE WARNING:** This pesticide is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

Physical and Chemical Hazards

Do not use or store near heat or open flame. Flash point minimum of 105°F (41°C).

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Restricted Use Pesticide

USE RESTRICTIONS:

Entry Restrictions:

- For surface spray: Except when applying to pets or livestock, do not enter or allow others to enter treated areas until sprays have dried.
- For space spray: Except when applying to pets or livestock, do not enter or allow others to enter until vapors, mists and aerosols have dispersed and the treated area has been thoroughly ventilated.

Application Restrictions:

- Except when applying to pets or livestock, do not apply this product in a way that will contact workers or other persons either directly or through drift. Only protected handlers may be in the area during application.
- Do not breathe vapors or spray mist.

For Food/Feed Handling and Service Areas:

- Do not apply when food is present.
- Do not use in food areas of food handling establishments, restaurants or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed or facility is in operation. Serving areas are areas where prepared foods are served, such as dining rooms, but excluding areas where foods may be prepared or held. In the home, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Exposed food should be covered or removed.

When Used Around or Near Floor Drains:

- Application is prohibited directly into sewers or drains or to any area like a gutter where drainage to sewers, storm drains, water bodies or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.

When Used in Dairy Barns or Facilities:

- Close milk bulk tank lids to prevent contamination from spray and from dead or falling insects. Remove or cover milking utensils before application. Wash teats of animals before milking.

For Use on Residential Indoor surfaces:

- Not for broadcast use on indoor residential surfaces.

For Outdoor Uses:

- All outdoor applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses: (1) Treatment to soil or vegetation around structures; (2) Applications to lawns, turf and other vegetation; (3) Applications to the side of a building up to a maximum height of 3 feet above grade; (4) Applications to underside of eaves, soffits, doors or windows permanently protected from rainfall by a covering, overhang, awning or other structure; (5) Applications around potential pest entry points into buildings when limited to a surface band not to exceed one inch in width; (6) Applications made through the use of a coarse, low pressure spray to only those portions of surfaces that are directly above bare soil, lawn, turf, mulch or other vegetation, as listed on this label, and not over an impervious surface, drainage or other condition that could result in run-off into storm drains, drainage ditches, gutters or surface waters, in order to control occasional invaders or aggregating pests.

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For Outdoor Residential Applications:

- Do not water the treated area to the point of run-off.
- Do not make applications during rain.

Not for use in outdoor residential misting systems.
Do not use in aircraft cabins.

FOR USE IN NON-FOOD AREAS INDOORS AND OUTSIDE PREMISES OF MOTELS, HOMES, PRESCHOOLS, DAY CAMPS, HOME GREENHOUSES, SEED STORAGE HOUSES, FOOD HANDLING ESTABLISHMENTS, PACKAGING AND PROCESSING PLANTS, COMMERCIAL, INDUSTRIAL, OFFICES, INSTITUTIONAL AND STORAGE BUILDINGS, DAIRIES, MILK STORAGE ROOMS, EGG PROCESSING PLANTS, SUPERMARKETS, RESTAURANTS, BOTTLING PLANTS, CANNERIES, FLOUR AND FEED MILLS, BAKERIES AND HOSPITALS. IN HOSPITALS, PATIENTS SHOULD BE REMOVED PRIOR TO TREATMENT.. ALSO FOR USE IN DOG KENNELS AND HORSE STABLES. IN HORSE STABLES, NOT FOR APPLICATION IF HORSES WILL BE USED FOR FOOD.

Nonfood areas are areas such as garbage rooms, laboratories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling). One gallon of finished spray is sufficient to treat 1580 linear feet (482 m) with a 6-inch (15.2 cm) spray band. For contact and residual sprays, mix PERMA-TOX with water in the following manner:

FINISHED SPRAY	CHEM-TOX PERMA-TOX
0.25%	2-2/3 oz or 79 ml in 1 Gal. or 3.79 L Water
0.25%	2/3 oz. or 20 ml in 1 Quart or 0.95 L Water
0.50%	5-1/2 oz or 163 ml in 1 Gal. or 3.79 L Water
0.50%	1-1/3 oz or 39 mil in 1 Quart or 0.95 L Water

INDOOR PEST CONTROL

Residual Spray and contact control of cockroaches (waterbugs), crickets, silverfish (firebrats), clover mites, millipedes, centipedes, earwigs, sowbugs (pillbugs), spiders, brown dog ticks, lone star ticks, ants, fire ants, clothes moths, carpet beetles, fleas, boxelder bugs, scorpions, spider beetle, bed bugs, grasshoppers, house flies, mosquitoes, gnats, fruit flies, cluster flies, flying moths, confused flour beetles, saw-toothed grain beetles, shiny spider beetles, grain mites, red flour beetles, Angoumois grain moths, grain weevils, Indian meal moths, Mediterranean flour moths, lesser grain borers, cigarette beetles, drug store beetles, chocolate moths. Spray thoroughly into hiding places such as cracks, crevices, moist areas, openings around pipes and sinks, under refrigerators, baseboards and storage areas. Spray directly on insects where possible. Use a 0.50% spray.

For Bed Bugs: Apply as a spot treatment to cracks and crevices, around baseboards, floorboards, bed boards and walls. First, thoroughly clean and air mattresses and springs, then spot treat only areas that may harbor bed bugs, concentrating on tufts, folds and seams. Allow all treated articles to dry thoroughly before use. Use the 0.50% spray.

Grain Insects: To control confused four beetles, saw-toothed grain beetles, spider beetles, shiny spider beetles, grain mites, red flour beetles, Angoumois grain moth, grain weevil, Indian meal moth, Mediterranean flour moths, lesser grain borer, cigarette beetles, drugstore beetles, chocolate moths, carpet beetles, remove infested grain, cereal or flour and destroy before spraying. Spray directly on exposed stages and into cracks and crevices where grain insects may be hiding. In homes, dispose of all infested products. The shelves and drawers should be cleaned and thoroughly sprayed so as to contact all pests and covered with shelf paper after allowing shelves to dry. Any utensils that are contacted with spray should be washed before using. Repeat as necessary.

Spiders: Spray directly on these pests and use repeated applications to the webbing and all cracks and crevices which harbor spiders.

Ants (Including Fire Ants): To kill ants, spray trails, nests and points of entry within buildings and homes. Spray directly on ants where possible. Repeat as necessary.

Wasps, Hornets, Yellow Jackets & Bees: Application should be made in the late evening when insects are at rest. Spray liberally into hiding and breeding places, especially under attic rafters, contacting as many insects as possible. Use a 0.5% spray.

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Fleas, Brown Dog Ticks and Lone Star Ticks: On Dogs and Premises: Do not use on CATS. Lightly spray mist animals along back, under forelegs and other areas, except scrotum and anus. Part hair to contact skin and insure good coverage. Hold sprayer 2 feet (60 cm) away while spraying. Apply until hair is thoroughly moist. Do not spray directly in eyes, mouth or nose on animals. To prevent reinfestations, thoroughly spray the animal's bedding and other resting areas until the surface is slightly moist contacting as many insects as possible. Treat the floor areas, cracks and crevices in the floor and along baseboards at the rate of 2 seconds per linear foot (30 cm) at a distance of 12 to 18 inches (~30-45 cm). Also spray the entire surface of dog houses. Use the 0.25% spray.

Carpet Beetles and Clothes Moths: To treat carpets, hold container 14 – 18 inches (36 - 46 cm) from carpet. Apply spray evenly, covering the entire surface until slightly moist. Spray underside of carpet when possible. Avoid wetting or soaking. To treat garments, blankets, carpets and other fabrics before storage: Dry clean or wash before and after storage. Apply spray evenly, covering the material on both sides until slightly moist. For best results, place treated materials in plastic bags after drying and store in a dark place. Also spray floor and baseboards, closets, cracks, crevices and infested areas of shelving or wherever these insects are seen or suspected. Use the 0.50% spray.

Space Spray: For House Flies, Mosquitoes, Cluster Flies, Gnats, Fruit Flies and Flying Moths: Close off all doors and windows. Cover or remove all food, food utensils, cover furniture or bedding. Point sprayer upward. Direct spray mist to all parts of the room especially windows and other light sources which may attract these insects. Fill the room with mist then leave the treated area. Keep the room closed for at least 15 minutes. Ventilate the area when treatment is completed. Use a 0.25% spray.

OUTDOOR PEST CONTROL

Pests on Outside Surfaces of Buildings: Use this product to control ants, clover mites, crickets, earwigs, millipedes and sowbugs (pillbugs) on outside surfaces of buildings. To help prevent infestation of buildings, treat the building foundation to a height of 2 to 3 feet (0.5 to 1 m) where pests are active and may find entrance. Also apply as a residual spray to outside surfaces of buildings including porches, screen, window frames, eaves, patios, garages, refuse dumps and other areas where these pests congregate or have been seen. Use the 0.50% spray. Repeat as needed.

Ants, Lone Star Ticks, Crickets, Fleas & Earwigs: For treatment of localized infestations of these insects in outdoor areas where there are weeds or brushy non-crop areas, spray infested areas thoroughly. For ants, thoroughly wet hills and runways. Repeat application as infestation warrants and as reinfestation occurs. Use a 0.50% spray.

Hornets, yellow Jackets & Bees: application should be made in the late evening when insects are at rest. Aim spray at nest openings in ground, bushes and in cracks and crevices which may harbor nests, saturating nest openings and contacting as many insects as possible. Use a 0.50% spray.

To Control Fire Ants: Dilute 2 tablespoons (30 ml) of this product in 1 gal. (3.79 L) of water. Apply 1 gal (3.79 L) of solution as a gentle rain to each fire ant mound using a sprinkler can. Thoroughly wet the mound and surrounding area to a 4 foot diameter (1.22m) For best results, apply in cool weather, 65-80°F (18-27°C) or in early morning or late evening hours. Treat new mounds as they appear. Do not disturb the mound prior to treatment. If possible, treat all mounds in the vicinity and treat all colonies which may not as yet have constructed a mound. Larger quantities of solutions can be prepared for multiple mound treatments. Equipment to deliver the diluted product as a gentle rain at the rate of 1 gal (3.79 L) per mound is still required. Do not use equipment that produces a pressurized spray as pressurized sprays may disturb fire ants and cause migration, reducing effectiveness.

Space Spray: For House Flies, mosquitoes, Biting Flies, Cluster Flies, Gnats & Flying Moths: For outdoor use as an aid in reducing annoyance from these insects. Spray outside surfaces of screens, doors, window frames or wherever these insects may enter the room. Also treat surfaces around light fixtures on porches, in garages and other places where these insects alight or congregate. Use a 0.50% spray. Repeat as necessary.

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Directions for Use on Outer Clothing and Bed Nets only: Do not apply to skin or to the inside surfaces of clothing. Keep away from food, eating utensils and water supplies. Thoroughly wash any items contaminated with this product. Wear chemical resistant gloves when mixing and using. Treated garments, netting and tentage provides protection to covered areas of body from bites of mosquitoes, ticks, chiggers and human body lice. **APPLICATION PROCEDURE:** thoroughly clean a 1 quart hand trigger sprayer by triple rinsing with clean water. **FOR CLOTHING:** Dilute 1 1/3 ounce into 1 quart of water in a quart hand trigger sprayer. Apply only to the outside surfaces of outer clothing. Do not treat the inside surface. Place each article of clothing (sporting jacket and/or trousers) on the ground and spray mist only the outside of the clothing fabric for 3 to 6 seconds. Do not spray to wet the fabric. A light spray mist is all that is required. Hang the treated garment to thoroughly dry. When dry, it is ready to wear. Mark clothing with date of treatment. Follow standard laundering procedures. Clothing should be retreated after four weeks or after the sixth laundering to maintain adequate protections. Do not retreat clothing more than once every two weeks. Launder at least once before retreating. Do not treat underwear, headgear or the inside surfaces of the outer clothing. **FOR BED NETTING:** spread netting on the ground and spray mist at a distance of 12 to 18 inches using the trigger spray mister. Spray with a slow sweeping motion to completely cover the netting fabric without runoff. Allow to thoroughly dry and aerate before use. For further protection, use in conjunction with an insect repellent registered for direct application to exposed skin.

Storage and Disposal

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store this product in its original container in a dry, cool, secured area out of reach of children.

Pesticide Disposal: As a responsible environmental practice, where possible, it is recommended that all of the contents of the container be used carefully following label directions and precautions. Pesticide wastes may be hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA regional office for guidance.

Container Handling: Non-refillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill: If rinsate cannot be used, follow pesticide disposal instructions. If not triple rinsed, these containers are acute hazardous wastes and must be disposed of in accordance with local, state and federal regulations.

WARRANTY STATEMENT: Our recommendations for the use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, to the extent consistent with applicable law, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. To the extent consistent with applicable law, the buyer must assume all responsibility, including injury or damages resulting from its misuse as such or in combination with other materials.

Product Batch Code No. _____